

AN IN-LINE PROCESS FOR MONITORING BINDER DOSAGE
AND DISTRIBUTION ON A SURFACE AND
APPARATUS USEFUL THEREFOR

a Sub AI
A method and apparatus for determining binder dosage and distribution on a substrate, comprising: ^{The apparatus employed is made up of}

- a) a source of long wave ultraviolet light positioned so that ultraviolet waves emitted therefrom will come into contact with a substrate to which binder has been applied,
- b) a filter which blocks ultraviolet waves emitted from source ^{the UV} and reflected by the substrate ^{which} but allows visible light waves emitted by fluorescence of the binder to pass,
- c) a lens for imaging visible light onto a focal plane,
- d) a video camera positioned at the focal plane of ^{the} lens ^{which} converts the visible light waves that have passed through ^{the} filter ^{the} and lens ^{into} an electrical signal, and
- e) ^{a device capable of} means for correlating images received by ^{the} video camera ^{to} binder dosage and distribution on the substrate contacted by the ultraviolet waves emitted by ^{the UV} source ^a.
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